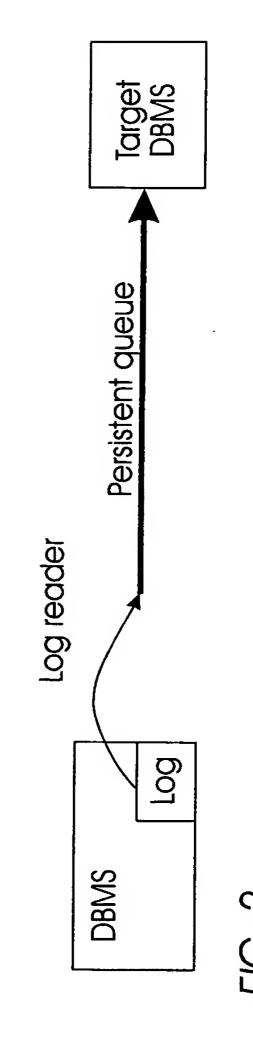


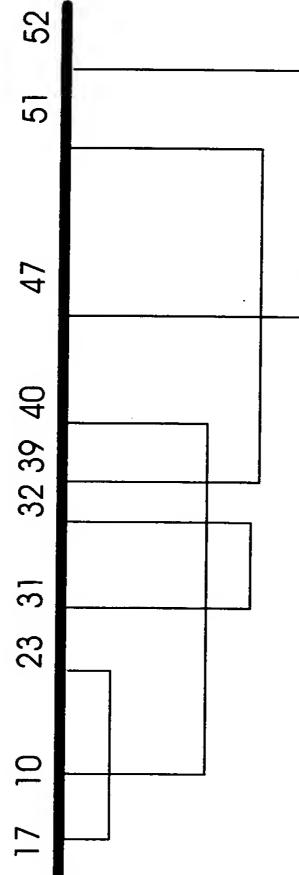
FIG. 1 (PRIOR ART)



(PRIOR ART)







Log, with LSNs of 1st and last (commit) record marked for each delta

sedNum	L 2 8 4 5
timeStamp	23 32 40 51 52
Delta	8 8 8 8 8 8 8 8 8

Occasional Heartbeats to Monitor Service

timeStamp	23	51
inFilightLSN	19	47

		7	-
		•	•
			•
	- 1	ľ	1



						$\mathcal{C}$	
gInfo	sedNum	0	<b></b>	2	4		
TrackingInfo	timeStamp	0	23	32	51	minUnappliedSeqNum =	
	•						prune
mTrackingInfo	sedNum	0	<b>—</b> .	2	7	gNum = 2	
InMemīra	timeStamp	0	23	32	51	maxContigSeqNum = 2	
		Target		restarts		။ က	
ginfo	sedNum	0	<b></b>	2	4	dSedNum	
TrackingInfo	timeStamp	0	23	32	51	minUnappliedSeqNum = 3	
ckingInfo	sedNum	0	_	7	က	4 3	edNum = 5
n Mem Tracking Info	timeStamp seqNu	0	23	32	40	51 52	naxContigSeqNum

TrackingInfo	timeStamp seqNum	32 2	51 4
ckingInfo	amp sedNum	7	4
InMemTrackingInfo	timeStamp	32	51
		(	FIG. 5

maxContigSeqNum = 2 MaxContigSeqNum = 3



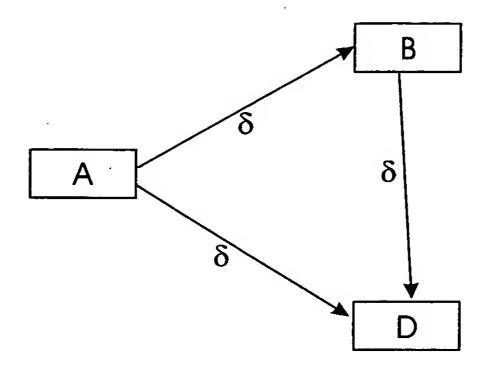
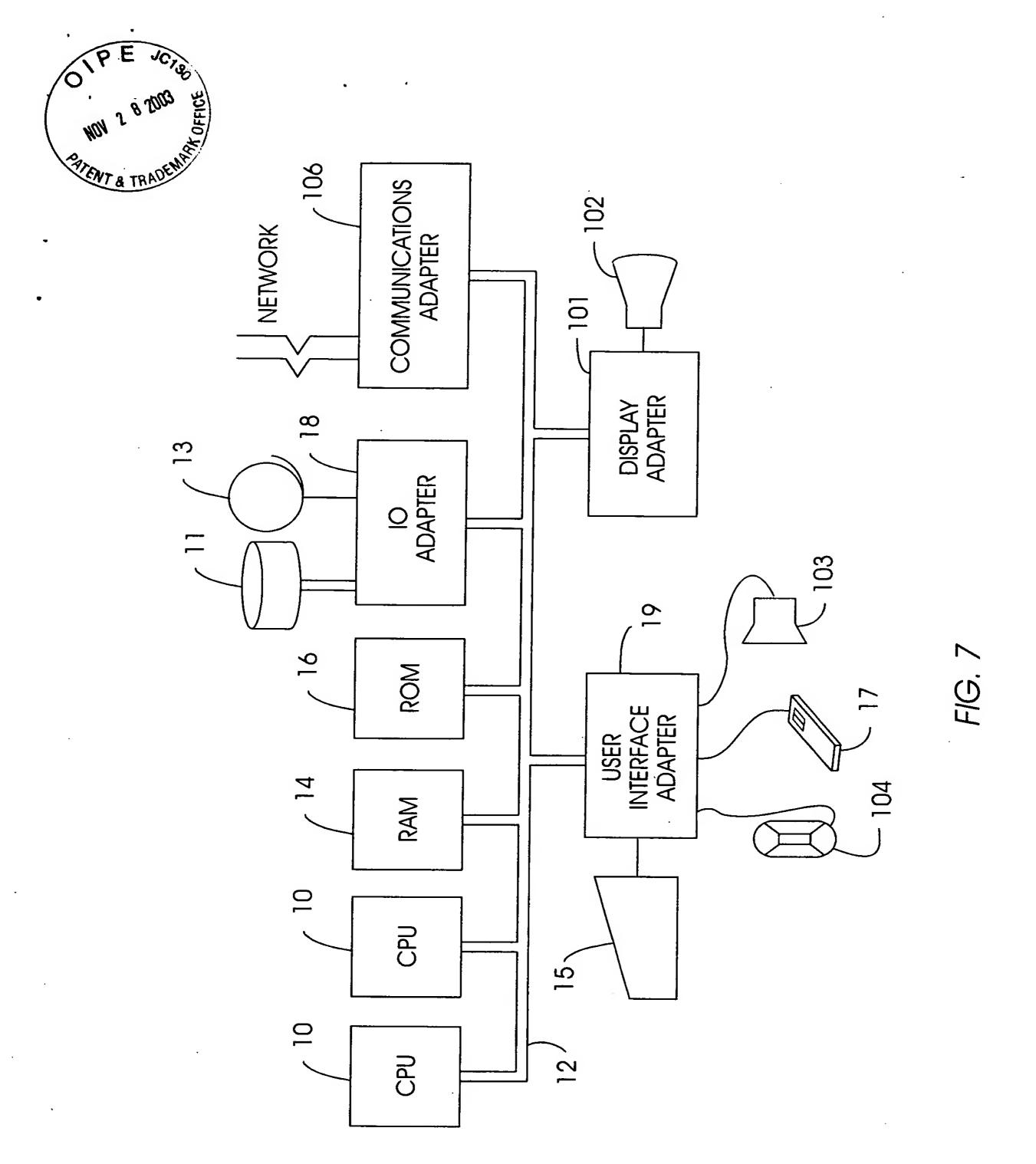


FIG. 6





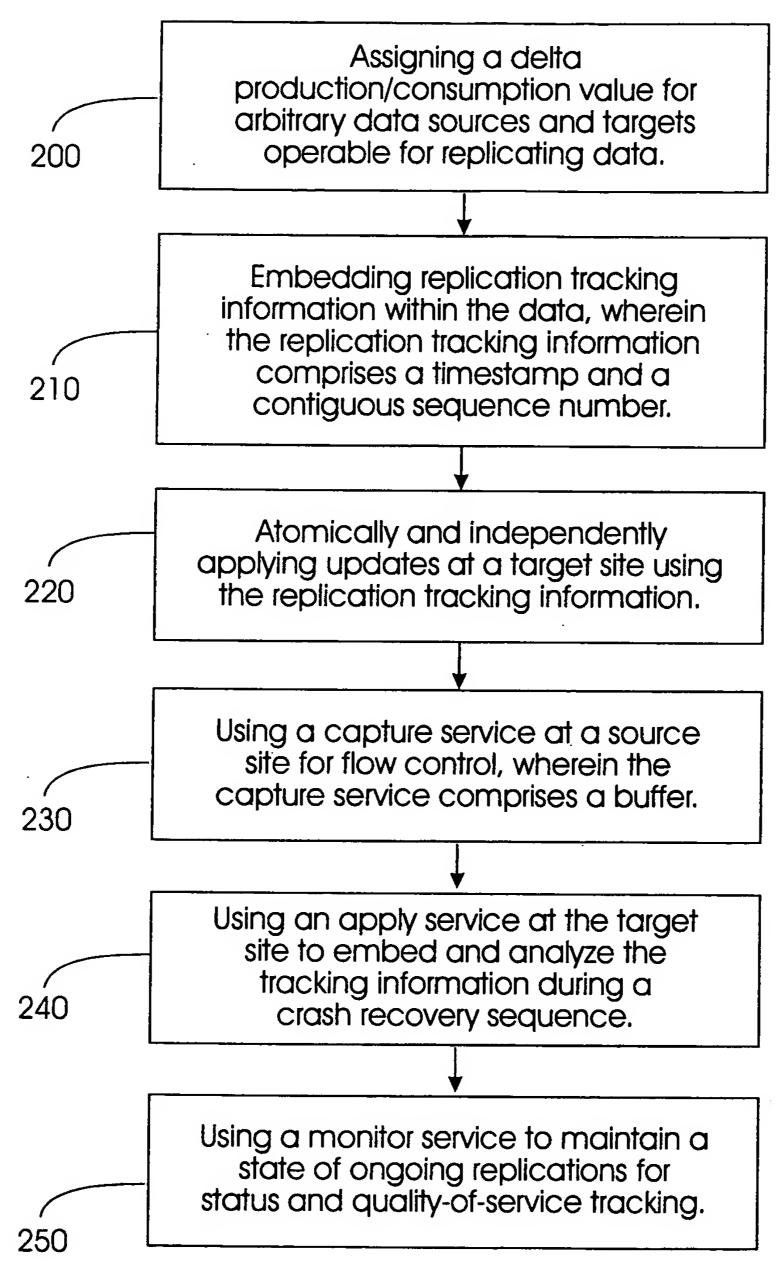


FIG. 8